

AT-2900 Series, Gigabit Ethernet Adapter Cards

AT-2915T, Single port copper Gigabit Ethernet adapter card for 32 bit PCI bus

AT-2930T, Single port copper Gigabit Ethernet adapter card for 32 and 64 bit PCI bus

AT-2930SX/SC, Single port fiber Gigabit Ethernet adapter card for 32 and 64 bit PCI bus

KEY FEATURES

PCI 2.2 compatible

**10/100/1000T
full/half duplex support**

**Fully IEEE 802.3, 802.3u,
802.3z, and 802.3ab compliant**

Full duplex flow control

Wake on LAN

**Plug-and-Play
auto-configuration**

Traffic/troubleshooting LEDs

24 hour driver update service

Lifetime warranty

HIGH PERFORMANCE

Allied Telesyn's AT-2900 series of 10/100/1000 PCI Gigabit Ethernet adapters are designed to match the high bandwidth server and switch connections available in today's sophisticated network environments. By providing ten times the speed of traditional Fast Ethernet adapters, the AT-2900 series can instantly and cost-effectively improve applications response, server reliability, and network scalability.

APPLICATION FLEXIBILITY

The standards-based AT-2900 series is designed for the 64bit/66MHz bus system, which combines the largest data path with the fastest possible data transfer. The AT-2930 series is also fully compatible with legacy 32 bit and 33MHz buses, making them fully back-wards compatible with Ethernet or Fast Ethernet LANs.

VALUE TO THE DESKTOP

Designed to support only the 32bit PCI bus, the AT-2915T provides all the features and functionality of the AT-2930 cards at a fraction of the cost. Complete driver compatibility and full feature set makes the AT-2915T the little brother that the AT-2930 family has always wanted.



RICH FUNCTIONALITY

The AT-2900 series combines high performance with rich functionality. Full duplex flow control, Plug-and-Play autoconfiguration and a 48KB internal packet buffer memory are supported by 802.1Q VLAN tagging for up to 64 VLANs and 802.1p Layer 2 priority tagging.

COPPER OR FIBER

Designed for both copper and fiber networks, the AT-2900 can be rapidly deployed for immediate performance improvements. For the most cost-effective upgrades to an existing copper LAN backbone, the AT-2930T will meet the challenge. For designs that require the distance benefits of fiber, the AT-2930SX delivers Gigabit connectivity at distances from 220m to 550m.

ABOUT ALLIED TELESYN, INC.

Allied Telesyn, Inc. leads the world in network technologies for the access edge. Since the company's inception in 1987, Allied Telesyn has been developing IP-based network products for use in video, voice and data networks at the metro edge, in education, government agencies and across the enterprise. Allied Telesyn's access, aggregation and core transport technologies range from simple Ethernet adapters, hubs and media converters to robust multi-layer Gigabit Ethernet switches and routers, wireless systems, DTM and WDM transport solutions for delivering real-time voice, video and data. Allied Telesyn's comprehensive support and professional service programs are suited to meet the growing demands of today's switched broadband infrastructures.

www.alliedtelesyn.com

ADAPTERS

 **Allied Telesyn**
Simply connecting the IP world

AT-2900 Series, Gigabit Ethernet Adapter Cards

STATUS INDICATORS

Active	Indicates packets are being received from network
1000	Indicates Gigabit Ethernet operation
100	Indicates 100MBps Ethernet operation
10	Indicates 10MBps Ethernet operation

PC BUS INTERFACE

Bus Interface: PCI 2.2 Compliant:	
2915	PCI bus 32 bit, 33/66MHz Signaling voltage 3.3v and 5v compatible PCI hot plug (OS-dependent)
2930	PCI bus 32/64 bit, 33/66MHz

Data Transfer Mode:

2915	PCI 32-bit Bust Mastering
2930	PCI 64-bit Bust Mastering

GIGABIT ETHERNET INTERFACE

AT-2915T/AT-2930T	IEEE 802.3z compatible
	1000T (RJ-45 connectors)
	Full Duplex and Half Duplex support Auto negotiation
AT-2930SX/SC	IEEE 802.3z compatible
	1000SX (SC connectors)
	Full-duplex and half-duplex support

HARDWARE INTERRUPTS

Dynamic Interrupt Moderation via PacedPacketBatch Technology.
Hardware based TCP, UDP and IP checksum calculation.

DRIVER SUPPORT

Windows NT 4.0 (x86)
Windows 2000 server, XP server
Windows 98, ME, 2000, XP
Linux server
Netware Server

POWER CHARACTERISTICS

Power Consumption:	
AT-2915T	3W Max.
AT-2930T	14W Max.
AT-2930SX/SC	14W Max.

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	10°C to 50°C
Operating Humidity	30% to 80%

PHYSICAL CHARACTERISTICS

Dimensions:	
AT-2915T	5.5" x 2.5"
AT-2930T	6.675" x 3.75"
AT-2930SX/SC	6.675" x 3.75"

Weight:	
AT-2915T	200g
AT-2930T	275g
AT-2930SX/SC	275g

STANDARDS AND COMPLIANCE

AT-2915T/AT-2930T	1000T
	IEEE 802.3z/IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3z with flow control/auto-negotiation
AT-2930SX/SC	1000SX
	IEEE 802.3z/IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3z with flow control/auto-negotiation

ELECTRICAL/MECHANICAL APPROVALS

Emissions	FCC Part 15B, Class B; EN 55022 Class B; CISPR 22 Class B; VCCI Class 2
Immunity	EN 50082-1
CE	Meets the directives for low voltage and EMC
Safety	UL, CSA, CE, CB

ORDERING INFORMATION

AT-2915T

Single port copper
Gigabit Ethernet adapter card
for 32 bit bus

AT-2930T

Single port copper
Gigabit Ethernet adapter card
for 32 and 64 bit bus

AT-2930SX/SC

Single port fiber
Gigabit Ethernet adapter card
for 32 and 64 bit bus

USA Headquarters: 19800 North Creek Pkwy, Suite 200, Bothell, WA 98011, USA • Tel: 800.424.4284 • Fax: 425.481.3895
European Headquarters: Via Motta 24, 6830 Chiasso, Switzerland • Tel: +41 (91) 697.69.00 • Fax: +41 (91) 697.69.11

www.alliedtelesyn.com

© 2002 Allied Telesyn, Inc. All rights reserved. Information in this document is subject to change without notice.
All company names, logos, and product designs that are trademarks or registered trademarks are the property of their respective owners.

617-00397-00 Rev. C

 **Allied Telesyn**
Simply connecting the IP world